

LAB Group Work Falling Objects

Question Do objects fall to the ground at the same speed?

Procedure

1. In this lab you will drop objects to the floor. One person will drop the objects. The other students record what happens.
2. Hold the paper clip in one hand and the pen cap in the other hand. Hold both hands at the same distance from the floor. You will drop these objects at the same time. Predict which object will hit the floor first.

Materials

- paper clip
- chalkboard eraser
- notebook and pencil
- glue stick
- pen cap

3. Drop the paper clip and pen cap at the same time. Observe what happens. Record the results.

4. Hold the eraser and glue stick. Predict what will happen when you drop them. (a) Record your prediction. Then drop them. Observe what happens. (b) Record the results.

a. _____

b. _____

5. Hold the eraser and paper clip. Predict what will happen when you drop them. (a) Record your prediction. Then drop them. Observe what happens. (b) Record the results.

a. _____

b. _____

Analysis

1. Did the larger objects fall to the ground faster than the smaller objects?

2. What **conclusion** can you draw from this lab about falling objects?
